

504.2 Automatic sprinkler system increase. Where a building is equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1, the value specified in Table 503 for maximum height is increased by 20 feet (6096mm) and the maximum number of stories is increased by one story. ~~These increases are permitted in addition to the area increase in accordance with Sections 506.2 and 506.3.~~ For Group R buildings equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.2, the value specified in Table 503 for maximum height is increased by 20 feet (6096mm) and the maximum number of stories is increased by one story, but shall not exceed four stories or 60 feet (18 288 mm), respectively.

Exceptions:

1. Group I-2 of Type IIB, III, IV or V construction.
2. Group H-1, H-2, H-3 or H-5.
3. Fire-resistance rating substitution in accordance with Table 601, Note d.
4. This increase is not permitted in addition to the area increase in accordance with Sections 506.2 and 506.3.

506.3 Automatic sprinkler system increase. Where a building is protected throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1, the area limitation in Table 503 is permitted to be increased by an additional ~~200~~100 percent ($I_s = 200$ 100 percent) for multistory buildings and an additional ~~300~~200 percent ($I_s = 300200 percent) for single-story buildings. ~~These increases are permitted in addition to the height and story increases in accordance with Section 504.2.~~$

Exceptions:

1. Buildings with an occupancy in Group H-1, H-2 or H-3.
2. Fire-resistance rating substitution in accordance with Table 601, Note d.
3. These increases are not permitted in addition to the story increases in accordance with Section 504.2.

506.4 Area determination. The maximum area of a building with more than one story shall be determined by multiplying the allowable area of the first floor (A_a), as determined in Section 506.1, ~~by the number of stories as listed below.~~

1. For ~~two~~ multistory buildings, multiply by 2;
2. ~~For three-story or higher buildings, multiply by 3; and,~~
3. No story shall exceed the allowable area per floor (A_a), as determined in Section 506.1 for the occupancies on that floor.

Exceptions:

1. Unlimited area buildings in accordance with Section 507.
2. ~~The maximum area of a building equipped throughout with an automatic sprinkler system in accordance with Section~~

~~903.3.1.2 shall be determined by multiplying the allowable area per floor (A_a), as determined in Section 506.1 by the number of stories.~~